## WHAT IS CLAIMED IS:

1	1.	A method of creating a custom database in a data store connected to a computer,
2	the method comprising:	
3	receivir	ng a system description of a structure of the custom database to be created;
4	generat	ing the structure for the custom database based on the system description; and
5	generating a search engine based on the system description, wherein the search engine	
6	stores and locates data in the custom database.	
1	2.	The method of claim 1, further comprising generating a user interface to access
2	the custom database.	
1	3.	The method of claim 1, further comprising modifying the system description and
2	generating a new structure and search engine that are transparent.	
1	4.	The method of claim 1, wherein the system description defines a mapping of one
2	or more abstract objects to a physical representation in the structure of the custom database.	
1	5.	The method of claim 1, wherein the structure stores data to form a relational
1		The method of claim 1, wherein the structure stores data to form a relationary
2	database.	
1	6.	The method of claim 1, wherein the system description comprises a markup

- The method of claim 6, wherein the markup language file comprises an extensible
- 2 markup language (XML) document.
- 1 8. The method of claim 7, wherein the XML document is created using a text editor.

language file.

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The method of claim 7, wherein the XML file is created using a graphical user 1 9. 2 interface. The method of claim 1, wherein the search engine locates data within the custom 10. 1 2 database. The method of claim 1, wherein the search engine comprises a text search engine. 11. 1 The method of claim 1, wherein the search engine comprises a high level 1 12. 2 language. The method of claim 12, wherein the high level language comprises Java. 1 13. An apparatus for creating a custom database comprising: 14. 1 a computer having a data store connected thereto, wherein the data store stores 2 3 data; and one or more computer programs, performed by the computer, for receiving a 4 system description of a structure of the custom database to be created, for generating the 5 structure for the custom database based on the system description, and for generating a search 6 engine based on the system description, wherein the search engine stores and locates data in the 7 8 custom database. The apparatus of claim 14, further comprising generating a user interface to 15. 1 access the custom database. 2 The apparatus of claim 14, further comprising modifying the system description 16. 1 and generating a new structure and search engine that are transparent. 2

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one or more abstract objects to a physical representation in the structure of the custom database.

The apparatus of claim 14, wherein the system description defines a mapping of

The apparatus of claim 14, wherein the structure stores data to form a relational 18. 1 2 database. The apparatus of claim 14, wherein the system description comprises a markup 19. 1 language file. 2 The apparatus of claim 19, wherein the markup language file comprises an 20. 1 extensible markup language (XML) document. 2 The apparatus of claim 20, wherein the XML document is created using a text 21. 1 editor. 2 The apparatus of claim 20, wherein the XML document is created using a 22. 1 graphical user interface. 2 The apparatus of claim 14, wherein the search engine locates data within the 1 23. custom database. 2 The apparatus of claim 14, wherein the search engine comprises a text search 24. 1 2 engine. The apparatus of claim 14, wherein the search engine comprises a high level 25. 1 language. 2 The apparatus of claim 25, wherein the high level language comprises Java. 26. 1 An article of manufacture comprising a computer program carrier readable by 1 27. a computer and embodying one or more instructions executable by the computer to perform steps 2

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for creating a custom database, comprising:

receiving a system description of a structure of the custom database to be created;

- generating the structure for the custom database based on the system description; and generating a search engine based on the system description, wherein the search engine stores and locates data in the custom database.
- 1 28. The article of manufacture of claim 27, further comprising generating a user 2 interface to access the custom database.
- 1 29. The article of manufacture of claim 27, further comprising modifying the system 2 description and generating a new structure and search engine that are transparent.
- The article of manufacture of claim 27, wherein the system description defines a mapping of one or more abstract objects to a physical representation in the structure of the custom database.
- 1 31. The article of manufacture of claim 27, wherein the structure stores data to form 2 a relational database.
- 1 32. The article of manufacture of claim 27, wherein the system description comprises 2 a markup language file.
- 1 33. The article of manufacture of claim 32, wherein the markup language file comprises an extensible markup language (XML) document.
- 1 34. The article of manufacture of claim 33, wherein the XML document is created 2 using a text editor.
- 1 35. The article of manufacture of claim 33, wherein the XML file is created using a graphical user interface.
- 1 36. The article of manufacture of claim 27, wherein the search engine locates data

- 2 within the custom database.
- 1 37. The article of manufacture of claim 27, wherein the search engine comprises a
- 2 text search engine.
- 1 38. The article of manufacture of claim 27, wherein the search engine comprises a
- 2 high level language.
- 1 39. The article of manufacture of claim 38, wherein the high level language
- 2 comprises Java.